

WHAT IS CLAIMED

1. A refrigerator having a cooling chamber (2) for accommodating the objects to be cooled and a first cooling means (3) in form of an absorption cooling means whose evaporator (5) is arranged in or on said cooling chamber (2) for cooling said cooling chamber,
WHEREIN on or in said cooling chamber a second cooling means (4) operable independently from said first cooling means (3) in particular, which cools said cooling chamber (2) alternatively and/or additionally.
2. The refrigerator as defined in claim 1,
WHEREIN said second cooling means (4) has a more rapid cooling characteristic than said first cooling means (3), for achieving a more rapid cooling down when said refrigerator (1) is started.
3. The refrigerator as defined in claim 1 or 2,
WHEREIN said second cooling means (4) is an absorption cooling means with a working agent – solvent pair of ammonia / salt solution.
4. The refrigerator as defined in claim 1 or 2,
WHEREIN said second cooling means (5) is an adsorption cooling means, in form of a zeolite refrigerator in particular, comprising an adsorber reservoir (8) for accommodating the adsorber, zeolite in particular, and an evaporator-condenser reservoir (6) arranged in or on said cooling chamber (2), for alternating condensation and evaporation of the working medium and

whose working medium adsorbing to said zeolite and evaporating preferably is water.

5. The refrigerator as defined in claim 4,
WHEREIN said second cooling means (4) includes a connecting line (11) from said adsorber reservoir (8) to said evaporator-condenser reservoir (6), which at least partly, in particular outside of said cooling chamber, is arranged in a heat exchanger (10) for in particular cooling down the working medium expelled from said adsorber.
6. The refrigerator as defined in claim 4 or 5,
WHEREIN said adsorber reservoir (8), said evaporator-condenser reservoir (6) and/or said connecting line (11) from said adsorber reservoir (8) to said evaporator-condenser reservoir (6) comprise blocking means (12).
7. The refrigerator as defined in claims 4 to 6,
WHEREIN said evaporator-condenser reservoir (6) is arranged such that it can be moved in or on said cooling chamber (2) and be removed therefrom again, in particular in correspondence with the operating mode of said adsorption cooling means.
8. The refrigerator as defined in one of the preceding claims,
WHEREIN said refrigerator comprises a control for controlling the operation of said first and/or second cooling means.
9. A method for operating a refrigerator as defined in one of the preceding claims,
WHEREIN when said refrigerator is switched and/or the temperature in said cooling chamber (2) exceeds a given threshold

value, said first and second cooling means (3, 5) are operated in cooling mode in parallel, whereas upon drop of the temperature in said cooling chamber (2) below said given threshold value said second cooling means (4) is switched off and/or is regenerated.

10. The method as defined in claim 9

WHEREIN when said refrigerator (1) is switched on, simultaneously said first cooling means (3) (absorption cooling means) and said second cooling means (4) (adsorption cooling means) are started, wherein in particular in said adsorption cooling means it is rendered possible for the working medium contained in said evaporator-condenser reservoir (6) to reach the adsorber reservoir (8) and to adsorb on said adsorber material.